



## Technical Information

### HEALTH AND SAFETY DATA SHEET

Date of Issue: 20.8.91

**PRODUCT NAME:**

**H301 CATHODIC BLACK DISPERSION**

**CHEMICAL TYPE:**

A mixture of resins, pigments (if coloured) and organic solvents.

**HAZARDOUS CLASSIFICATION INFORMATION:**

UN No: 1263 Flammable, Harmful

**HAZARDOUS INGREDIENTS:**

Occupational exposure limits (OEL) have been established by the Health and Safety Commission for certain of the ingredients and these should always be observed:

<u>Substance</u>	<u>%</u>	<u>TWA</u>	
		<u>8 hr TWA</u>	<u>10 min TWA</u>
1 - Methoxypropan - 2 - OL	35	100 ppm	** 300 ppm sK

Long term exposure limit - eight hour time weighted average

Short term exposure limit - ten minute time weighted average

\*\* denotes Occupational Exposure Standard (OES)

\* denotes Maximum Exposure Limit (MEL)

**FIRE PREVENTION AND FIGHTING:**

Flash point of product = 38°C (Abel closed cup)

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Care should be taken to avoid the risk of electrostatic ignition.

Fire may produce dense black smoke containing harmful products of combustion. Use foam or dry powder extinguishing agents. Cool containers exposed to fire with water spray.

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*This product will be replaced if defective in manufacture. Because the conditions of use are outside our control, the product is sold without warranty or liability.*

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### **STORAGE:**

Although the storage of this product is not subject to specific statutory requirements, observations of the principles of the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations as appropriate will be seen as good industrial practice in meeting the general duties of the Health and Safety at Work Act.

### **HEALTH HAZARDS:**

Further guidance on OEL and the assessment of occupational exposure to harmful materials including mixed exposures, is given in HSE Guidance Note EH 40.

- a) Over exposures are irritating to the eyes and the respiratory system. Excessive concentrations produce effects on the central nervous system, including drowsiness. Extreme cases may result in loss of consciousness.
- b) Long term exposure to the vapour concentration in excess of OEL's may result in adverse health effects.
- c) Splashes which enter the eyes will cause discomfort and also possible damage.
- d) Prolonged contact with the skin may have a de-fatting effect which may lead to skin irritation and dermatitis.

### **PRECAUTIONS IN HANDLING AND USE:**

This product contains a blocked isocyanate which on stoving gives off the blocking agent and traces of the parent isocyanate may be released into the atmosphere. Efficient extraction must be provided on the oven to discharge the vapours away from the workplace to a safe area.

The maximum exposure limit for isocyanates is  $0.02 \text{ mg/m}^3$  (8 hr TWA) and  $0.07 \text{ mg/m}^3$  (10 min TWA).

Avoid the inhalation of vapour, particulates and spray mist. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general ventilation. If this is not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

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Contact with skin and eyes should be avoided by organising suitable work practices. Where this is not reasonably practicable, appropriate protective clothing and eye protection to BS 2092 should be worn. Barrier creams may help to protect exposed areas of skin but are not a substitute for full physical protection (see Additional Information).

#### **FIRST AID PROCEDURE:**

**Inhalation:** Remove to the fresh air. Keep warm and also at rest. If breathing is irregular or has stopped, administer artificial ventilation. Give nothing by mouth. If unconscious, place in recovery position. Seek medical advice.

**Eye Contact:** Irrigate copiously with clean fresh water for at least ten minutes, holding the eye lids apart. Seek medical advice. Any contact lenses must be removed.

**Skin Contact:** Remove contaminated clothing and wash skin with soap and water or use a proprietary skin cleanser. Do not use solvents or any thinners. Seek medical attention.

**Ingestion:** If accidentally swallowed then DO NOT INDUCE VOMITING, keep at rest and obtain medical advice.

In cases of doubt, or where symptoms persist, seek medical attention.

#### **SPILLAGE:**

Stop release. Contain and collect spillage with non-combustible absorbent materials, e.g. sand or earth. Do not allow to enter drains or water courses. Exclude sources of ignition. Ventilate area.

#### **WASTE DISPOSAL:**

Bury in an approved landfill site in accordance with local regulations.

#### **ADDITIONAL INFORMATION:**

The selection of respiratory protective equipment should be in accordance with BS 4275: Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment and the current Certificate of Approval are issued annually by the Health and Safety Executive.

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Advice on the selection of gloves is given in BS 1651: 1986 Specification for industrial gloves. Where the substance being handled is not included in the BS, advice should be sought from glove suppliers.

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